PCT09

RAW SEQUENCE LISTING   DATE: 11/01/2001
PATENT APPLICATION: US/09/762,648   TIME: 09:53:54

Input Set : **A:\Hu31p001.app**
Output Set: **N:\CRF3\11012001\I762648.raw**

SEQUENCE LISTING
```
  4 (1) GENERAL INFORMATION:
  6       (i) APPLICANT: Jarrell Ph.D., Kevin A.
  7                      Saha Ph.D., Shamol
  8                      Ptashne Ph.D., Mark
 10      (ii) TITLE OF INVENTION: NOVEL TRANSCRIPTIONAL REGULATORS AND
 11                               USES THEREFOR
 13     (iii) NUMBER OF SEQUENCES: 26
 15      (iv) CORRESPONDENCE ADDRESS:
 16           (A) ADDRESSEE: Choate, Hall & Stewart
 17           (B) STREET: 53 State Street
 18           (C) CITY: Boston
 19           (D) STATE: MA
 20           (E) COUNTRY: USA
 21           (F) ZIP: 02109
 23       (v) COMPUTER READABLE FORM:
 24           (A) MEDIUM TYPE: Floppy disk
 25           (B) COMPUTER: IBM PC compatible
 26           (C) OPERATING SYSTEM: PC-DOS/MS-DOS
 27           (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
 29      (vi) CURRENT APPLICATION DATA:
```
C--> `30           (A) APPLICATION NUMBER: US/09/762,648`
C--> `31           (B) FILING DATE: 26-Aug-1998`
```
 32           (C) CLASSIFICATION:
 34    (viii) ATTORNEY/AGENT INFORMATION:
 35           (A) NAME: Jarrell Ph.D., Brenda H.
 36           (B) REGISTRATION NUMBER: 39,223
 37           (C) REFERENCE/DOCKET NUMBER: 0347941-0031
 39      (ix) TELECOMMUNICATION INFORMATION:
 40           (A) TELEPHONE: (617) 248 5000
 41           (B) TELEFAX: (617) 248 4000
 44 (2) INFORMATION FOR SEQ ID NO: 1:
 46       (i) SEQUENCE CHARACTERISTICS:
 47           (A) LENGTH: 140 base pairs
 48           (B) TYPE: nucleic acid
 49           (C) STRANDEDNESS: single
 50           (D) TOPOLOGY: linear
 52      (ii) MOLECULE TYPE: other nucleic acid
 55     (vii) IMMEDIATE SOURCE:
 56           (B) CLONE: Oligo 2, used to produce R10 library
 60      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
 62 CTCTGGGAGC TGCGATTGGC AGAATTCCGG CTAGAACTAG TGGATCCCCC GGGCGAGGCT       60
 64 TATCCNNNNN NNNNNGGATG TGCTGACCCC GGGCAGCTTG CATGCCTGCA GGTCGACTCT      120
 66 AGAAAACATG AGGATCACCC                                                  140
 68 (2) INFORMATION FOR SEQ ID NO: 2:
 70       (i) SEQUENCE CHARACTERISTICS:
 71           (A) LENGTH: 20 base pairs
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```
72              (B) TYPE: nucleic acid
73              (C) STRANDEDNESS: single
74              (D) TOPOLOGY: linear
76      (ii) MOLECULE TYPE: other nucleic acid
79     (vii) IMMEDIATE SOURCE:
80              (B) CLONE: Oligo 1, used to create R10 library
84      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
86 CTCTGGGAGC TGCGATTGGC                                          20
88 (2) INFORMATION FOR SEQ ID NO: 3:
90       (i) SEQUENCE CHARACTERISTICS:
91              (A) LENGTH: 20 base pairs
92              (B) TYPE: nucleic acid
93              (C) STRANDEDNESS: single
94              (D) TOPOLOGY: linear
96      (ii) MOLECULE TYPE: other nucleic acid
99     (vii) IMMEDIATE SOURCE:
100             (B) CLONE: Oligo 3 used to create R10 library
104     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
106 GGGTGATCCT CATGTTTTCT                                         20
108 (2) INFORMATION FOR SEQ ID NO: 4:
110      (i) SEQUENCE CHARACTERISTICS:
111             (A) LENGTH: 10 base pairs
112             (B) TYPE: nucleic acid
113             (C) STRANDEDNESS: single
114             (D) TOPOLOGY: unknown
116     (ii) MOLECULE TYPE: other nucleic acid
119    (vii) IMMEDIATE SOURCE:
120             (B) CLONE: Rioboactivator consensus
124     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
126 UGCDGGHNMD                                                    10
128 (2) INFORMATION FOR SEQ ID NO: 5:
130      (i) SEQUENCE CHARACTERISTICS:
131             (A) LENGTH: 10 base pairs
132             (B) TYPE: nucleic acid
133             (C) STRANDEDNESS: single
134             (D) TOPOLOGY: linear
136     (ii) MOLECULE TYPE: other nucleic acid
139    (vii) IMMEDIATE SOURCE:
140             (B) CLONE: Rioboactivator 1 sequence
144     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
146 UGCGGGUACG                                                    10
148 (2) INFORMATION FOR SEQ ID NO: 6:
150      (i) SEQUENCE CHARACTERISTICS:
151             (A) LENGTH: 10 base pairs
152             (B) TYPE: nucleic acid
153             (C) STRANDEDNESS: single
154             (D) TOPOLOGY: linear
156     (ii) MOLECULE TYPE: other nucleic acid
159    (vii) IMMEDIATE SOURCE:
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```
160           (B) CLONE: Riboactivator number 2 sequence
164      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
166 UUGCUGGCGA                                                    10
168 (2) INFORMATION FOR SEQ ID NO: 7:
170      (i) SEQUENCE CHARACTERISTICS:
171           (A) LENGTH: 10 base pairs
172           (B) TYPE: nucleic acid
173           (C) STRANDEDNESS: single
174           (D) TOPOLOGY: linear
176      (ii) MOLECULE TYPE: other nucleic acid
179     (vii) IMMEDIATE SOURCE:
180           (B) CLONE: Riboactivator 3 sequence
184      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
186 UGCGGGUCAU                                                    10
188 (2) INFORMATION FOR SEQ ID NO: 8:
190      (i) SEQUENCE CHARACTERISTICS:
191           (A) LENGTH: 10 base pairs
192           (B) TYPE: nucleic acid
193           (C) STRANDEDNESS: single
194           (D) TOPOLOGY: linear
196      (ii) MOLECULE TYPE: other nucleic acid
199     (vii) IMMEDIATE SOURCE:
200           (B) CLONE: Riboactivator 4 sequence
204      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
206 UGCGGGUUCG                                                    10
208 (2) INFORMATION FOR SEQ ID NO: 9:
210      (i) SEQUENCE CHARACTERISTICS:
211           (A) LENGTH: 10 base pairs
212           (B) TYPE: nucleic acid
213           (C) STRANDEDNESS: single
214           (D) TOPOLOGY: linear
216      (ii) MOLECULE TYPE: other nucleic acid
219     (vii) IMMEDIATE SOURCE:
220           (B) CLONE: Ribactivator 5 sequence
224      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
226 UGCGGGAUCA                                                    10
228 (2) INFORMATION FOR SEQ ID NO: 10:
230      (i) SEQUENCE CHARACTERISTICS:
231           (A) LENGTH: 10 base pairs
232           (B) TYPE: nucleic acid
233           (C) STRANDEDNESS: single
234           (D) TOPOLOGY: linear
236      (ii) MOLECULE TYPE: other nucleic acid
239     (vii) IMMEDIATE SOURCE:
240           (B) CLONE: Riboactivator 6 sequence
244      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
246 UGCAGGUUCG                                                    10
248 (2) INFORMATION FOR SEQ ID NO: 11:
250      (i) SEQUENCE CHARACTERISTICS:
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```
251            (A) LENGTH: 10 base pairs
252            (B) TYPE: nucleic acid
253            (C) STRANDEDNESS: single
254            (D) TOPOLOGY: linear
256       (ii) MOLECULE TYPE: other nucleic acid
259      (vii) IMMEDIATE SOURCE:
260            (B) CLONE: Rioboactivator 7 sequence
264       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
266 UGCUGGAUCA                                              10
268 (2) INFORMATION FOR SEQ ID NO: 12:
270        (i) SEQUENCE CHARACTERISTICS:
271            (A) LENGTH: 10 base pairs
272            (B) TYPE: nucleic acid
273            (C) STRANDEDNESS: single
274            (D) TOPOLOGY: linear
276       (ii) MOLECULE TYPE: other nucleic acid
279      (vii) IMMEDIATE SOURCE:
280            (B) CLONE: Rioboactivator 8 sequence
284       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
286 UUGCUGGCGA                                              10
288 (2) INFORMATION FOR SEQ ID NO: 13:
290        (i) SEQUENCE CHARACTERISTICS:
291            (A) LENGTH: 10 base pairs
292            (B) TYPE: nucleic acid
293            (C) STRANDEDNESS: single
294            (D) TOPOLOGY: linear
296       (ii) MOLECULE TYPE: other nucleic acid
299      (vii) IMMEDIATE SOURCE:
300            (A) LIBRARY: Non-rioboactivator 3 sequence
304       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
306 CACGGTAAGT                                              10
308 (2) INFORMATION FOR SEQ ID NO: 14:
310        (i) SEQUENCE CHARACTERISTICS:
311            (A) LENGTH: 10 base pairs
312            (B) TYPE: nucleic acid
313            (C) STRANDEDNESS: single
314            (D) TOPOLOGY: linear
316       (ii) MOLECULE TYPE: other nucleic acid
319      (vii) IMMEDIATE SOURCE:
320            (B) CLONE: Non-rioboactivator 6 sequence
324       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
326 CAAAGACAGG                                              10
328 (2) INFORMATION FOR SEQ ID NO: 15:
330        (i) SEQUENCE CHARACTERISTICS:
331            (A) LENGTH: 10 base pairs
332            (B) TYPE: nucleic acid
333            (C) STRANDEDNESS: single
334            (D) TOPOLOGY: linear
336       (ii) MOLECULE TYPE: other nucleic acid
```

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```
339     (vii) IMMEDIATE SOURCE:
340           (B) CLONE: Non-riboactivator 8 sequence
344     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
346 GGCTGGTGGT                                                      10
348 (2) INFORMATION FOR SEQ ID NO: 16:
350     (i) SEQUENCE CHARACTERISTICS:
351           (A) LENGTH: 9 base pairs
352           (B) TYPE: nucleic acid
353           (C) STRANDEDNESS: single
354           (D) TOPOLOGY: linear
356     (ii) MOLECULE TYPE: other nucleic acid
359     (vii) IMMEDIATE SOURCE:
360           (B) CLONE: Non-riboactivator 10 sequence
364     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
366 GTAGAGCGA                                                        9
368 (2) INFORMATION FOR SEQ ID NO: 17:
370     (i) SEQUENCE CHARACTERISTICS:
371           (A) LENGTH: 140 base pairs
372           (B) TYPE: nucleic acid
373           (C) STRANDEDNESS: single
374           (D) TOPOLOGY: linear
376     (ii) MOLECULE TYPE: other nucleic acid
379     (vii) IMMEDIATE SOURCE:
380           (B) CLONE: R40 oligonucleotide
384     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
386 CTCTGGGAGC TGCGATTGGC AGAATTCCGG CTAGAACTAG TGGATCCCCC NNNNNNNNNN    60
388 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN GGGCAGCTTG CATGCCTGCA GGTCGACTCT   120
390 AGAAAACATG AGGATCACCC                                             140
392 (2) INFORMATION FOR SEQ ID NO: 18:
394     (i) SEQUENCE CHARACTERISTICS:
395           (A) LENGTH: 40 base pairs
396           (B) TYPE: nucleic acid
397           (C) STRANDEDNESS: single
398           (D) TOPOLOGY: linear
400     (ii) MOLECULE TYPE: other nucleic acid
403     (vii) IMMEDIATE SOURCE:
404           (B) CLONE: Keene-1 oligonucleotide
408     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:
410 CCGGGCGAGG CTTATCCTGG TGGAGCAGGA TGTGCTGACC                        40
412 (2) INFORMATION FOR SEQ ID NO: 19:
414     (i) SEQUENCE CHARACTERISTICS:
415           (A) LENGTH: 40 base pairs
416           (B) TYPE: nucleic acid
417           (C) STRANDEDNESS: single
418           (D) TOPOLOGY: linear
420     (ii) MOLECULE TYPE: other nucleic acid
423     (vii) IMMEDIATE SOURCE:
424           (B) CLONE: Keene-2 oligonucleotide
428     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:
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VERIFICATION SUMMARY
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L:30 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:31 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]